Title (en)
   A MODULE DRIVER AND DRIVING METHOD

Title (de)
   MODULTREIBER UND ANSTEUERUNGSVERFAHREN

Title (fr)
   CIRCUIT D'ATTAQUE DE MODULE ET PROCÉDÉ D'ATTAQUE

Publication
   EP 3180965 A1 20170621 (EN)

Application
   EP 15750384 A 20150810

Priority
   • CN 2014084549 W 20140815
   • EP 14187663 A 20141003
   • EP 2015068321 W 20150810

Abstract (en)
   [origin: WO2016023845A1] A driver is able to drive an analog interface module or a digital interface module, for example an LED module. A set of
   output pins is for connection to the module, with the same set of output pins used for an analog interface LED module as for a digital interface LED
   module. A detecting circuit detects whether the module is an analog module or a digital module, based on a signal at a control pin. The configuration
   of the driver is then set accordingly using an analog drive signal or using a digital communication interface for the LED module parameter collection.
   The driver further comprises a first switching circuit (20) for switching a supply voltage (V) to the power supply pin (VCC), and a second switching
   circuit (30) for coupling a supply voltage (V) to the control pin through a resistor (R6), wherein the detecting circuit (16) is configured to determine
   that the module is digital when the first switching circuit (20) supplies the supply voltage (V) to the power supply pin and the second switching circuit
   (30) isolates the supply voltage (V) from the control pin.

IPC 8 full level
   H05B 37/02 (2006.01); **H05B 44/00** (2022.01)

CPC (source: CN EP US)
   H05B 45/30 (2020.01 - EP US); **H05B 47/16** (2020.01 - US); **H05B 47/175** (2020.01 - CN EP US); H05B 45/395 (2020.01 - EP US)

Citation (search report)
   See references of WO 2016023845A1

Designated contracting state (EPC)
   AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
   BA ME

DOCDB simple family (publication)
   WO 2016023845 A1 20160218; CN 106664780 A 20170510; CN 106664780 B 20190528; EP 3180965 A1 20170621; EP 3180965 B1 20190710;
   JP 2017523582 A 20170817; JP 6259162 B2 20180110; RU 2017107977 A 20180917; RU 2017107977 A3 20190321;
   US 2017231044 A1 20170810

DOCDB simple family (application)
   EP 2015068321 W 20150810; CN 201580043814 A 20150810; EP 15750384 A 20150810; JP 2017507878 A 20150810;
   RU 2017107977 A 20150810; US 201515503417 A 20150810